



Docket No.: SUND-1047
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Der-Zheng Liu et al.

Application No.: 10/803,047

Confirmation No.: 4615

Filed: March 18, 2004

Art Unit: 2611

For: APPARATUS AND METHOD FOR
SAMPLING TIMING COMPENSATION IN
MULTI-CARRIER SYSTEM

Examiner: T. Ghebretinsae

INFORMATION DISCLOSURE

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The attention of the Patent and Trademark Office is hereby directed to the references listed on the attached list. Copies of two of the references (JP 2001-308821 & JP 2001-339363) are also attached. It is respectfully requested that the information be placed in the file of the subject application as the subject matter of such references are related to the disclosure of the application.

Dated: January 26, 2010

Respectfully submitted,

By 

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LIST OF REFERENCES

REFERENCES WITH COPIES

1. JP 2001-308821, Pub. Date, November 2, 2001
2. JP 2001-339363, Pub. Date, December 7, 2001

REFERENCES

1. "A Discrete Multitone Transceiver System for HDSL Applications", Chow, et al.; IEEE J. on Sel Areas in Comm., Vol. 9, No.6, pp. 895-908, Aug. 1991
2. "Impulse Response Shortening for Discrete Multitone Transceivers", Melsa et al.; IEEE Trans on Comm., Vol. 44, No. 12, 1662-1672, Dec. 1996
3. "Efficiently Computer Reduced-Parameter Input-Aided MMSE Equalizers for ML Detection: A Unified Approach", N. Al-Dhahir et al.; IEEE Trans. on Info. Theory, Vol. 42, pp. 903-15, May 1996
4. "Optimum Finite-Length Equalization for Multicarrier Transceivers", N. Al-Dhahir et al.; IEEE Trans on Comm., Vol. 44, pp. 56-63, Jan. 1996
5. "Maximizing the Channel Capacity of Multicarrier Transmission by Suitable Adaptation of the Time-Domain Equalizer", Henkel et al.; IEEE Trans. on Comm., Vol. 48, No. 12, Dec. 2000
6. "Equalizer Training Algorithms for Multicarrier Modulation System", Chow et al.; ICC, pp. 761-765, May 1993
7. "Per Tone Equalization for DMT-Based Systems", Kathleen et al.; IEEE Trans. on Comm., Vol. 49, No.1, Jan. 2001

8. "Equalization for Discrete Multitone Transceivers to Maximize Bit Rate", Arslan et al.; IEEE Trans. on Signal Processing
9. "A Pilot-Based Frequency Offset Tracking Scheme in OFDM Systems" , Du et al.; 2001 International Conferences on Info-Tech and Info-Net, Vol. 2, pp. 566-571, Beijing China, Oct. 29, 2001 - Nov. 1, 2001
10. "An Improved Automatic Frequency Correction Scheme for Discontinuous Pilot Mobile Communication System", Zhang et al.; IEEE 2001 Spring Vehicular Technology Conference, Vol. 3, pp. 1708-1712, Rhodes, Greece, May 6-9 2001
11. "ML Estimation of Carrier Frequency Offset for Multicarrier Signals in Rayleigh Fading Channels", Choi et al.; IEEE Transactions on Vehicular Technology, Vol. 50, pp. 644-655, March 2001
12. "Frequency Offset Estimation in an OFDM System", Chen et al.; 2001 IEEE Third Workshop on Signal Processing Advances in Wireless Communications (SPAWC '01), pp. 150-153. Taiwan, March 20-23, 2001,
13. "Frequency Offset Correction for Coherent OFDM in Wireless Systems", Garcia et al.; IEEE Transactions on Consumer Electronics, Vol. 47, pp. 187-193, Feb. 2001
14. "Frequency Offset Tracking in OFDM Based on Multicarrier PLL", Dacca et al.; 21st Century Military Communications Conference, Vol. 2, pp. 912-916, Oct. 22-25, 2000
15. "Multi-Carrier Modulation for Data Transmission: An Ideal Whose Time Has Come", Bingham; IEEE Communications Magazine, pp. 5-14, May 1990
16. "Synchronization with DMT Modulation", Pollet et al.; IEEE Communications Magazine, April 1999.
17. "The BER Performance of OFDM Systems Using Non-Synchronize Sampling", Pollet et al.; Proc. Globecom '94, pp. 253-257, San Francisco, CA, Dec. 27-29, 1994
18. "Signals, Systems, and Transforms". Jackson; Addison-Wesley Publishing Company, Inc., pp. 410, 1991